

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval				
Description Work Order Deviation				Disposition							
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter		☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes		☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center		☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence	
				OTHER :							

Work Order ID 139217

November 16, 2015 3:35:18 PM

139217

Page 2

Item ID: D412-761-049

Accept

N1900040100Setup Start ***NS1***

Revision ID:

Item Name: Armrest

Stop ***NS2***

Start Date: 11/16/2015 Start Qty: 1.00

1

Cust Item ID:

Required Date: 12/23/2015 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

0.00

130

Packaging

Packaging

Memo

0.00

Identify and pack for shipping as per PPP D412-761-049

Location: _____

PPP Rev: _____

PPP139170

1X

DAS
23
9-89

JAN 08 2016

140

140

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

MCS

JAN 11 2016

MCS JAN 11 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date	☐	Manufacturing Process	☐	OTHER :			
Misidentified	☐	Past Due	☐				

Picklist Print

November 16, 2015 3:35:28 PM

Page 1

Work Order ID: 139217

139217

Parent Item: D412-761-049

D412-761-049

Parent Item Name: Armrest

Start Date: 11/16/2015

Required Date: 12/23/2015

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 08-09-10 new issue DD verified by:JLM
IPP Rev:B 09-01-13 rev.C as per dwg DD verified by:EC IPP REV:C
12.03.06 AS PER ECN12-535 DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3694-041 *D3694-041* Mounting Plate	DAS 28 9-89	Manufactured	No			110	Each	0.0000	1	1			
D3695-041 *D3695-041* Slider Assembly		Manufactured	No			110	Each	3.0000	1	1			
				<u>Location</u>			<u>Loc Qty</u>						
				ST511			3						
				111437			2						
				116389			1						
D3780-041 *D3780-041* Armrest Assembly	DAS 28 9-89	Manufactured	No			110	Each	1.0000	1	1			
				<u>Location</u>			<u>Loc Qty</u>						
				ST228			1						
				134471			1						
AN3-6A *AN3-6A* Bolt	DAS 28 9-89	Purchased	No			110	Each	164.0000	11	11			
				<u>Location</u>			<u>Loc Qty</u>						
				ST338a			164						
				M131305			64						
				M133561			100						

DAS
6
28
27
9-89

DAS
26
9-89

DAS
27
9-89

DAS
26
9-89
DAS
27
9-89

DAS
26
9-89
DAS
27
9-89

DEC 01 2015

Picklist Print

November 16, 2015 3:35:29 PM

Page 2

Work Order ID: 139217

139217

Parent Item: D412-761-049

D412-761-049

Parent Item Name: Armrest

Start Date: 11/16/2015

Required Date: 12/23/2015

Start Qty: 1.00

Required Qty: 1.00

AN6-26 Purchased No

110 Each 19.0000 1 1

AN6-26

Bolt

DAS
28
9-89

Location

Loc Qty

Loc Code

ST334

19

m127124

19

110 Each 30.0000 1 1

AN320-6

Purchased No

AN320-6

Nut

DAS
28
9-89

Location

Loc Qty

Loc Code

ST330

30

113288

29

116392

1

110 Each 667.0000 11

NAS1149D0363J

Purchased No

NAS1149D0363J

Washer

**

DAS
28
9-89

Location

Loc Qty

Loc Code

CA

246

m130799

246

GA

236

m130799

236

ST269

185

m126319

7

m128429

2

m131618

1

m132317

10

m132677

42

m133031

123

DEC 01 2015

DAS
26
9-89

DAS
27
9-89

DAS
26
9-89

DAS
27
9-89

DAS
26
9-89
DAS
27
9-89

Picklist Print

November 16, 2015 3:35:29 PM

Page 3

Work Order ID: 139217

Parent Item: D412-761-049

Parent Item Name: Armrest

139217

D412-761-049

Start Date: 11/16/2015

Required Date: 12/23/2015

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0616J

Purchased

No

110

Each

228.0000

1

1

NAS1149D0616J

WASHER

DAS
28
9-89

Location

Loc Qty

Loc Code

ST269

228

122815

228

110

Each

102.0000

2

2

NAS1515H6L

Purchased

No

*NAS1515H6L *

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

ST265

102

18918

1

m128612

8

m128637

93

110

Each

51.0000

1

1

MS24665-302

Purchased

No

MS24665-302

Cotter Pin

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

17

120521

17

ST293

34

m127305

34

NOV 30 2015

DAS
26
9-89
27
9-89

DAS
26
9-89
27
9-89

DAS
26
9-89
27
9-89

Picklist Print

November 16, 2015 3:35:29 PM

Page 4

Work Order ID: 139217

Parent Item: D412-761-049

Parent Item Name: Armrest

139217

D412-761-049

Start Date: 11/16/2015

Required Date: 12/23/2015

Start Qty: 1.00

Required Qty: 1.00

MS21071L3

Purchased

No

110

Each

237.0000

3

3

MS21071L3

ANCHOR NUT

**

DAS

26

9-89

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST299

136

124291

32

m129702

104

ST301

101

114348

1

125654

100

MS21075L3

MS21075L3N

Purchased

No

110

Each

78.0000

8

MS21075L3

Nut Plate

**

DAS

26

9-89

DAS

27

9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST298

78

M131153

78

3x

8
m128429

8x

NOV 30 2015

(CONTINUED FROM PAGE 10)

QTY -041	QTY -041A	QTY -043	QTY -045	QTY -047	QTY -049	QTY -051	QTY -141	PART NUMBER	DESCRIPTION
				1				D3705-041	INSTRUMENT PANEL ASSEMBLY
				1				D3705-043	* INSTRUMENT PANEL WELDMENT
				1				D3335-1	* SPRING
				1				D3705-5	* ACCESS PANEL
				1				D3706-041	* LOCK BRACKET ASSEMBLY
				1				D3706-5	* PIN
				2				D3707-3	* MOUNTING LUG
				2				AN3-3A	* BOLT
				4				AN526C1032R6	* SCREW
				1				MS171498	* SPRING SLOTTED PIN
				4				MS24693-C272	* SCREW (OR MS24693-S272)
				2				NAS1149D0332J	* WASHER (OR AN960JD10L)
				1				NAS1149D0563J	* WASHER (OR AN960JD516)
				1				D3705-7	FACE PLATE (MINIMUM REQUIRED INSTRUMENTS FOR 204, 205, 210, AND EAGLE SINGLE MODELS)
				1				D3705-9	FACE PLATE (MINIMUM REQUIRED AND OPTIONAL INSTRUMENTS FOR 204, 205, 210, AND EAGLE SINGLE MODELS)
				1				D3705-11	FACE PLATE (FOR 212, 214, 412, MODELS)
				2				D3707-1	MOUNTING LUG
				1				D3790-1	INDEXING BLOCK
				1				D3867-1	CONNECTOR PLATE
				2				D4758-1	BLANKING PLATE
				3				D4758-3	BLANKING PLATE
				4				AN3-4A	BOLT
				6				AN526C1032R6	SCREW
				2				AN743-12	BRACKET
				6				AN960JD10L	WASHER
				6				MS21075L3	NUTPLATE (OR MS21073-3)
				4				MS24693-C272	SCREW (OR MS24693-S272)
				1				MS27039-1-17	SCREW
				1				MS27039-1-27	SCREW
				4				MS21042L3	NUT
				2				MS21919WDG8	CLAMP
				4				NAS1149D0332J	WASHER (OR AN960JD10L)
				1	1			D3694-041	MOUNTING PLATE ASSEMBLY
				1	1			D3694-1	* KEYWAY
				1	1			D3694-3	* PROTECTIVE PLATE
				1	1			D3694-5	* MOUNTING PLATE
				1	1			AN526C1032R8	* SCREW
				4	4			MS21042L3	* NUT
				2	2			MS21209F1-20	* HELI-COIL, SCREW LOCKING (RED)
				1	1			MS24693-C271	* SCREW (OR MS24693-S271)
				4	4			MS24693-C273	* SCREW (OR MS24693-S273)
				5	5			NAS1149D0363J	* WASHER (OR AN960JD10)
				1	1			D3695-041	SLIDER ASSEMBLY
				1	1			D3695-1	* SLIDER
				1	1			D3695-3	* STOPPER
				1	1			MS21209F6-25	* HELI-COIL, SCREW LOCKING (RED)
				4	4			MS21209F1-20	* HELI-COIL, SCREW LOCKING (RED)
				4	4			MS24693-C276	* SCREW (OR MS24693-S276)
				1	1			D3801-1	* HAND RETRACTABLE SPRING PLUNGER

*DENOTES PART IS INCLUDED WITH ASSEMBLY ABOVE

(CONTINUED ON PAGE 12)

• COPYRIGHT © 2008 BY DART AEROSPACE LTD •
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: E
Date: 12.12.07

REFERENCE ONLY

DART AEROSPACE LTD.

DAS
28
9-89

IIN-D412-761
Page 12 of 13

(CONTINUED FROM PAGE 11)

QTY -041	QTY -041A	QTY -043	QTY -045	QTY -047	QTY -049	QTY -051	QTY -141	PART NUMBER	DESCRIPTION
					1			D3780-041	ARMREST ASSEMBLY
					1			D3696-041	* ARM ASSEMBLY
					1			D3696-1	** ARM
					1			D3801-3	** HAND RETRACTABLE SPRING PLUNGER
					1			D3781-041	* LATERAL CUSHION ASSEMBLY
					1			D3781-043	* ARMREST CUSHION ASSEMBLY
					1			D3785-3	* BRACKET
					1			D3977-1	* BOLT
					1			D3978-1	* NUT (CASTELLATED)
					1			D3979-1	* WASHER (SQUARE HOLE)
					2			AN970-6	* WASHER
					1			MS24665-302	* COTTER PIN
					2			MS21042L3	* NUT
					2			MS24693-C272	* SCREW
					2			MS24693-C277	* SCREW
					1			NAS1149D0663J	* WASHER (OR AN960JD616)
					11			AN3-6A	BOLT
					1			AN6-26	BOLT
					1			AN320-6	CASTELLATED NUT
					11			NAS1149D0363J	WASHER (OR AN960JD10)
					1			NAS1149D0616J	WASHER (OR AN960JD616L)
					2			NAS1515H6L	WASHER
					1			MS24665-302	COTTER PIN
					3			MS21071L3	ANCHORNUT
					8			MS21075L3	NUTPLATE
						1		D4097-041	ARMREST ASSEMBLY
						1		D3696-041	* ARM ASSEMBLY
						1		D3696-1	** ARM
						1		D3801-3	** HAND RETRACTABLE SPRING PLUNGER
					1			D4098-041	* CUSHION ASSEMBLY
					1			D4099-1	* BRACKET
					3			MS21042L3	* NUT
					5			MS24693-C273	* SCREW
					3			MS24693-C277	* SCREW
					1			NAS1149D0332J	* WASHER
					11			AN3-6A	BOLT
					1			AN6-26	BOLT
					1			AN320-6	CASTELLATED NUT
					11			NAS1149D0363J	WASHER (OR AN960JD10)
					1			NAS1149D0616J	WASHER (OR AN960JD616L)
					2			NAS1515H6L	WASHER
					1			MS24665-302	COTTER PIN
					3			MS21071L3	ANCHORNUT
					8			MS21075L3	NUTPLATE
						4		D3932-1	SNAP VENT

* DENOTES PART IS INCLUDED WITH ASSEMBLY ABOVE
** DENOTES PART IS INCLUDED WITH ASSEMBLY ABOVE

• COPYRIGHT © 2008 BY DART AEROSPACE LTD •
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED
OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: E
Date: 12.12.07

6.0 PARTS LIST, FULL VERTICAL REFERENCE DOOR MOD KITS

QTY -041	QTY -041A	QTY -043	QTY -045	QTY -047	QTY -049	QTY -051	QTY -141	PART NUMBER	DESCRIPTION
								D412-761-011	FULL VERTICAL REFERENCE DOOR, LH
								D412-761-011A	FULL VERTICAL REFERENCE DOOR, LH
X								D412-761-041	FULL VERTICAL REFERENCE DOOR KIT, LH
	X							D412-761-041A	FULL VERTICAL REFERENCE DOOR KIT, LH
		X	1					D412-761-043	MODIFIED LATCH MECHANISM KIT, LH
1	1		X					D412-761-045	LARGE BUBBLE WINDOW KIT, LH
1	1			X				D412-761-047	DOOR MOUNTED INSTRUMENT PANEL KIT, LH
1					X			D412-761-049	ARMREST KIT, LH
	1					X		D412-761-051	ARMREST KIT, LH
							X	D412-761-141	VENT KIT
		1						D3589-041	LATCH ASSEMBLY
		1						D3589-047	FORWARD GUIDE
		1						D3589-049	AFT GUIDE
		2						MS16997-24	SCREW
		2						MS21042L06	NUT
		2						NAS1149DN632J	WASHER (OR AN960JD6L)
			1					D3676-1	LARGE BUBBLE WINDOW
			1					D3678-1	PLACARD
			1					D3678-3	PLACARD
			1					D3700-1	INBOARD WINDOW DOUBLER
			1					D3700-3	OUTBOARD WINDOW DOUBLER
			1					D3701-1	FLOOR DOUBLER
			1					D3702-1	FORWARD DOUBLER
			1					D3703-1	AFT DOUBLER
			1					D3703-3	AFT CORNER DOUBLER
			1					D3703-5	AFT CAP
			1					D3704-1	ESCUTCHEON
			1					D3704-3	ESCUTCHEON
			1					D3708-1	ANGLE
			1					D3708-3	ANGLE
			1					D3709-1	ANGLE
			1					D3709-3	ANGLE
			1					D3802-1-135	SEAL
			1					DT9458	CUTTING TEMPLATE
			26					AN3-7A	BOLT
			26					MS21042L3	NUT
			1					MS24694-C5	SCREW (OR MS24694-S5)
			1					MS24694-C13	SCREW (OR MS24694-S13)
			1					NAS43DD3-24	SPACER
			52					NAS1149D0363J	WASHER (OR AN960JD10)

(CONTINUED ON PAGE 11)